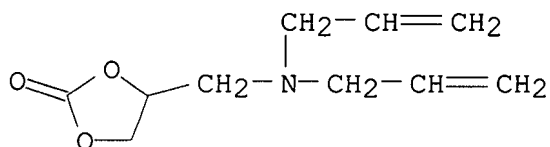


AB Surfactants containing hydrophilic cyclic carbonate groups are prepared as emulsifiers for polymerization. Thus, reaction of octanoic acid with epichlorohydrin and  $\text{NaHCO}_3$  gave (2-oxo-1,3-dioxolan-4-yl)methyl octanoate, which was used in the emulsion polymerization of styrene, Bu acrylate, and methacrylic acid.

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1986:207278 CAPLUS  
 DOCUMENT NUMBER: 104:207278  
 TITLE: [(Diallylamino)methyl]dioxolane analogs  
 INVENTOR(S): Kawabata, Osamu; Tanimoto, Fumio; Inoe, Yoshiharu  
 PATENT ASSIGNEE(S): Neos Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

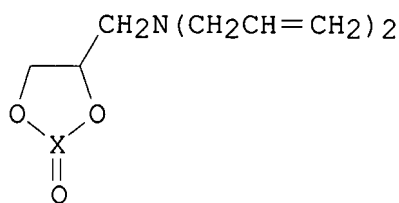
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 60228472	A	19851113	JP 1984-87395	19840427
JP 04058476	B	19920917		
PRIORITY APPLN. INFO.:			JP 1984-87395	19840427

OTHER SOURCE(S): CASREACT 104:207278  
 IT 102088-43-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 102088-43-7 CAPLUS  
 CN 1,3-Dioxolan-2-one, 4-[(di-2-propenylamino)methyl]- (9CI) (CA INDEX NAME)



10/528,700

GI



AB Title compds. I (X = C, S), useful in manufacturing amphoteric surfactants and polymer coagulants, were prepared either by cyclocondensation of 3-(N,N-diallylamino)-1,2-propanediol [II, prepared from glycidol (III) and diallylamine (IV)] with di-Et carbonate (V) or dehydrochlorination of II with SOCl<sub>2</sub>. Thus, heating 97.16 g IV with 74.08 g III in the presence of Triton B gave 154 g II, which was refluxed with 160 g V in the presence of K<sub>2</sub>CO<sub>3</sub> to give 159.6 g I (X = C).

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

31.31

203.62

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.90

-3.90

STN INTERNATIONAL LOGOFF AT 20:00:07 ON 29 JUN 2007